CLAIMS

The invention claimed is:

1. A tool for installing a breast interface cup on a breast pump comprising a seating device configured to press a seal on the breast interface cup into a seat on the breast pump when the breast interface cup is received on the breast pump, the tool is placed against the breast interface cup, and the tool is pressed toward the breast pump to seat the breast interface cup on the breast pump.

2. The tool of claim 1, further comprising a guide configured to align the seating device with the seal when the guide is received within a channel of the breast interface cup.

3. The tool of claim 1, wherein the seating device comprises a ridge.

4. The tool of claim 2, further comprising a shunt attached to the guide, and wherein the seating device comprises a ridge on the shunt.

5. The tool of claim 4, further comprising a platform attached to the shunt.

6. The tool of claim 6, wherein:

the platform comprises a substantially flat disk having a radius defined about a central axis;

the guide comprises a substantially cylindrical outer surface that is coaxial with the platform, extends away from the platform in the axial direction between a proximal end and a distal end, and has a radius that is smaller than the radius of the platform, and

the shunt is located axially between the platform and the proximal end of the guide, comprises a substantially cylindrical outer surface that is coaxial with the platform and the guide, extends between the platform and the proximal end of the guide, and has a radius that is smaller than the radius of the platform and larger than the radius of the guide.

7. The tool of claim 6, wherein the seating device comprises a ridge along the outer surface at the distal end of the shunt.

8. The tool of claim 7, further comprising a pressure relief device defined by the guide for venting the channel as the guide moves within the channel.

9. The tool of claim 8, wherein the pressure relief device comprises an axial slot in the outer surface of the guide.

10. The tool of claim 9, wherein the pressure relief device further comprises a notch through the ridge aligned with the slot.

11. The tool of claim 10, further comprising a radial surface at the distal end of the guide and a beveled edge between the radial surface and the guide outer surface.

12. A tool for installing a breast interface cup in a breast pump, comprising:

a platform;

a shunt extending in a longitudinal direction from the platform, the shunt having a proximal end attached to the platform and a distal end, the shunt comprising a seating device configured to press a seal on the breast interface cup into a seat on the breast pump; and

a guide extending from the distal end of the shunt in the longitudinal direction, the guide having a proximal end attached to the distal end of the shunt, the guide configured to align the seating device with the seal when the guide is received within the a channel of the breast interface cup.

13. The tool of claim 12, wherein the seating device comprises a ridge along the distal end of the shunt.

14. The tool of claim 13, wherein the platform, shunt and guide have successively narrower transverse dimensions.

15. The tool of claim 14, further comprising a pressure relief device defined by the guide for venting the channel as the guide moves within the channel.

16. A breast pump assembly comprising:

a breast pump;

a breast interface cup having a channel configured to be received within the breast pump; and

a tool for installing the breast interface cup on the breast pump comprising a seating device configured to press a seal on the breast interface cup into a seat on the breast pump when the breast interface cup is received on the breast pump, the tool is placed against the breast interface cup, and the tool is pressed toward the breast pump to seat the breast interface cup on the breast pump.

17. The breast pump assembly of claim 16, wherein the tool further comprises a guide configured to align the seating device with the seal when the guide is received within a channel of the breast interface cup.

18. The breast pump assembly of claim 16, wherein the tool further comprises:

a platform;

a shunt comprising the seating device extending in a longitudinal direction from the platform, the shunt having a proximal end attached to the platform and a distal end; and

a guide extending from the distal end of the shunt in the longitudinal direction, the guide having a proximal end attached to the distal end of the shunt, the guide configured to align the seating device with the seal when the guide is received within the channel.

19. The tool of claim 18, wherein the seating device comprises a ridge along the distal end of the shunt.

20. A method for installing a breast interface cup on a breast pump, comprising the steps of:

providing a tool for installing the breast interface cup on the breast pump comprising a seating device configured to press a seal on the breast interface cup into a seat on the breast pump when the breast interface cup is placed into the breast pump, the tool is placed adjacent against the breast interface cup, and the tool is pressed toward the breast pump to seat the breast interface cup on the breast pump;

placing the breast interface cup on the breast pump;

placing the tool against the breast interface cup; and

pressing the tool toward the breast pump to seat the breast interface cup on the breast pump.